

APPENDIX F

STATE AND NATIONAL AMBIENT AIR QUALITY STANDARDS

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State and National Ambient Air Quality Standards

Pollutant	Averaging Time	State of California/a,c/	National/b,c/
Ozone	1 hour	0.09 ppm (180 $\mu\text{g}/\text{m}^3$)	0.12 ppm (235 $\mu\text{g}/\text{m}^3$)
	8 hour	NA	0.08 ppm (160 $\mu\text{g}/\text{m}^3$)
Carbon Monoxide	1 hour	20 ppm (23,000 $\mu\text{g}/\text{m}^3$)	35 ppm (40,000 $\mu\text{g}/\text{m}^3$)
	8 hour	9.0 ppm (10,000 $\mu\text{g}/\text{m}^3$)	9 ppm (10,000 $\mu\text{g}/\text{m}^3$)
Nitrogen Dioxide	1 hour	0.25 ppm (470 $\mu\text{g}/\text{m}^3$)	NA
	Annual	NA	0.053 ppm (100 $\mu\text{g}/\text{m}^3$)
Sulfur Dioxide	1 hour	0.25 ppm (655 $\mu\text{g}/\text{m}^3$)	NA
	3 hour	NA	0.5 ppm (1,300 $\mu\text{g}/\text{m}^3$)
	24 hour	0.04 ppm (105 $\mu\text{g}/\text{m}^3$)	0.14 ppm (365 $\mu\text{g}/\text{m}^3$)
	Annual	NA	0.03 ppm (80 $\mu\text{g}/\text{m}^3$)
Particulate Matter (PM-10)	24 hour	50 $\mu\text{g}/\text{m}^3$	150 $\mu\text{g}/\text{m}^3$
	Annual	30 $\mu\text{g}/\text{m}^3$	50 $\mu\text{g}/\text{m}^3$
Particulate Matter (PM-2.5)	24 hour	NA	65 $\mu\text{g}/\text{m}^3$
	Annual	NA	15 $\mu\text{g}/\text{m}^3$
Sulfates	24 hour	25 $\mu\text{g}/\text{m}^3$	NA
Lead	30 day	1.5 $\mu\text{g}/\text{m}^3$	NA
	Calendar Quarter	NA	1.5 $\mu\text{g}/\text{m}^3$
Hydrogen Sulfide	1 hour	0.03 ppm (42 $\mu\text{g}/\text{m}^3$)	NA
Vinyl Chloride	24 hour	0.010 ppm (26 $\mu\text{g}/\text{m}^3$)	NA

Notes:

/a/ California standards for ozone, carbon monoxide, sulfur dioxide, nitrogen dioxide, particulate matter (PM-10) are values that are not to be exceeded. All other California standards shown are values not to be equaled or exceeded.

/b/ National standards, other than for ozone and particulate matter and those based on annual averages, are not to be exceeded more than once per year. For the one-hour ozone standard, the ozone standard is attained when the expected number of days per calendar year with maximum hourly average concentrations above the standard is equal to or less than one. The eight-hour ozone standard is met at a monitoring site when the three-year average of the annual fourth-highest daily maximum eight-hour average ozone concentration is less than or equal to 0.08 ppm.

/c/ ppm = parts per million by volume; $\mu\text{g}/\text{m}^3$ = micrograms per cubic meter.

NA: Not Applicable.

SOURCE: California Air Resources Board, *Proposed Amendments to the Area Designations for State Ambient Air Quality Standards, and Proposed Maps of the Area Designations for the State and National Ambient Air Quality Standards*, November 1997.